

**PATENT ABSTRACTS OF JAPAN**(11)Publication number : **63-116741**(43)Date of publication of application : **21.05.1988**

(51)Int.Cl.

**B01J 23/56****B01D 53/36****B01J 23/76**(21)Application number : **61-262521**(71)Applicant : **TOYOTA MOTOR CORP  
TOYOTA CENTRAL RES & DEV LAB INC**(22)Date of filing : **04.11.1986**(72)Inventor : **MATSUMOTO SHINICHI  
MIYOSHI NAOTO  
KIMURA MAREO  
OZAWA MASAKUNI  
ISOTANI AKIO****(54) CATALYST FOR PURIFYING EXHAUST GAS**

(57)Abstract:

PURPOSE: To prevent the lowering in purifying capacity at high temp., by forming a catalyst for purifying exhaust gas by supporting a catalytic metal by a catalyst supporting layer consisting of cerium oxide and zirconium partially present as a composite oxide.

CONSTITUTION: A catalyst for purifying exhaust gas is formed by supporting a catalytic metal by a catalyst supporting layer consisting of cerium oxide and zirconium oxide partially present at least as a composite oxide or a solid solution. In this case, the cerium atom and zirconium atom supported as the composite oxide or solid solution are pref. constituted so that the atomic ratio of the number of zirconium atom to that cerium atoms is 5:95W80:20. As the catalytic metal, a noble metal such as Pt, Rh, Pd, Ir, Ru or the like can be used.

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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]